## **REMARKS**

Claims 1, 2, 4-5, and 7-21 remain in the application for consideration of the Examiner with Claims 22-26 standing withdrawn and Claims 3 and 6 standing canceled.

The drawings were rejected to under 37 CFR 1.84(p)(5). The Examiner alleges that Figure 3A does not include reference numerals 100 or 102.

The Examiner's attention is directed to OUT\_1X. Under this element, reference 100 and 102 can be found.

The drawings were objected to as failing to comply with 37 CFR 1.84(p)(4). The Examiner alleges that reference elements 16, 18, and 32 have been used to designate two separate elements. However, two elements 16, 18, and 32 are not seen from the drawings. Clarification is requested if the Examiner chooses to persist in this objection.

The drawings were objected to under 37 CFR 1.83(a). It is respectfully submitted that the cancellation of Claims 3 and 6 obviates the objection to the drawings.

Claims 1-21 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite.

Claim 1 has been amended to take into consideration the helpful comments of the Examiner.

Claims 3 and 6 have been canceled.

With respect to Claim 15, this rejection is respectively traversed.

The Examiner's attention is directed to elements 96 and 98 concerning the first current mirror and elements 104 and 106 for the second current mirror.

Concerning Claim 20, the switches that disable the first and second current mirrors correspond to elements 60 and 62.

Claims 1, 2, 4-5, and 7-21 are in full compliance with 35 U.S.C. §112.

Turning now to the art rejections, Claims 1-4, 7-10, 13-17, 20 and 21 were rejected under 35 U.S.C. §103 as being unpatentable over Kondou in view of Stuebing; Claims 5, 6, 11, 12, 18, and 19 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kondou in view of Stuebing and in view of one of ordinary skill in the art.

These rejections are respectively traversed.

It is respectfully submitted that Kondou does not disclose or suggest the presently claimed invention including the second circuit for mirroring a current the first circuit at a predetermined mirroring ratio to provide drive currents to the piezo element in independent Claim 1, and defined as the second integrated circuit means for mirroring a current in the first integrated circuit means at a predetermined mirror ratio to provide drive currents to a piezo element in independent Claim 8 albeit defined as the second current mirror being configured to provide drive currents for connection to the piezo element in independent Claim 15.

The Examiner alleges that Kondou discloses a first current source 106 and a second current source 107.

However, these circuits are not mirrored together.

It is respectfully submitted that Stuebing does not disclose or suggest the presently claimed invention including the second circuit for mirroring a current in the first

P.07

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circuit at a predetermined mirror ratio to provide drive currents to the piezo element in the various forms in independent Claims 1, 8, and 15.

Stuebing does not disclose a piezo electric element.

Applicants agree with the Examiner that Stuebing and Kondou do not disclose the mirror ratios of 10 to 1 and 6.125 to 1.

Applicants respectfully request a teaching from the prior art for these ratios since it would not be within the skill of one of ordinary skill in the art at the time of the invention to discover these ratios.

It is respectfully submitted that Claims 1, 2, 4-5, and 7-21 are patentably distinct over the applied reference.

In light of the above, it is respectfully submitted that the present application is in condition for allowance, and notice to that effect is respectfully requested.

While it is believed that the instant response places the application in condition for allowance, should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned in order to expeditiously resolve any outstanding issues.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

P.08

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To the extent necessary, Applicant petitions for an Extension of Time under 37 CFR 1.136. Please charge any fees in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,

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